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6	RESTORATION ADVISORY BOARD MEETING
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9	THURSDAY, NOVEMBER 15, 2001
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22	REPORTED BY: Nancy A. Lee, CSR No. 3870
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1	ATTENDANCE:
2	John Locke
3	Bob Geilenfeldt
4	Bill Collins
5	Daniel Cordero
6	Mark Bonsavage
7	Marilyn Field
8	Merry Coons
9	Robert Campbell
10	Art Van Rooy
11	Leticia Hernandez
12	Jim French
13	Anita Boyd
14	Foster Marshall
15	Jerry Bailey
16	Bob Logan
17	Dottie Marron
18	Alan Clark
19	Lee Saunders
20	Steve Sullivan
21	Bill Ulmer
22	
23	
24	

- 1 CORONADO, CA., THURS., NOVEMBER 15, 2001, 6:40 P.M.
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- 3 MR. LOCKE: Welcome everybody to the 72nd
- 4 North Island Restoration Advisory Board meeting.
- 5 My name is John Locke. I'm from the
- 6 Navy Regional Southwest. I'm the Navy Co-Chair,
- 7 and Bob Geilenfeldt next to me is the Community
- 8 Co-Chair.
- 9 I guess the first agenda item is the
- 10 approval of the minutes. Can I have a motion to
- 11 approve the minutes?
- 12 MR. VAN ROOY: So move.
- 13 MR. COLLINS: I'll second it.
- MR. LOCKE: Approved.
- Tonight we're going to have a
- 16 presentation from Jim French of Bechtel concerning
- 17 the Site 11 Feasibility Study. We're going to have
- 18 a Site 9 removal action update, some funding
- 19 information for the projects, and a presentation of
- 20 an Internet RAB portal for this RAB.
- 21 So Jim's already up in front and ready
- 22 to go.
- MR. FRENCH: This is your last chance. I
- 24 have that nice design on the board, and we could
- 25 watch that for half an hour instead of me talking.

- 1 I guess I'll go ahead.
- 2 Thanks a lot, John.
- 3 I'm here to present the status of the
- 4 Project at the Operable Unit 11 at North Island.
- 5 And just to back up a little here, the title of my
- 6 talk is a Feasibility Study Update, and we're in
- 7 the Feasibility Study process at Operable Unit 11.
- 8 The Feasibility Study occurs in the
- 9 environmental CERCLA process. After a site has
- 10 been characterized, the problems -- the issues
- 11 generally are known, and it's basically a concept
- 12 level study to evaluate feasible options for
- 13 addressing certain environmental problems, so
- 14 that's the stage that we're at.
- 15 And today I'm going to talk a little
- 16 bit about the background of the site, some site
- 17 information, what we call our Remedial Action
- 18 Objectives, what we're trying to accomplish with
- 19 this Feasibility Study. Then we are going to show
- 20 you the options that we're evaluating for cleanup
- 21 of the soils and the groundwater at Operable Unit
- 22 11, and the process, and let you know where we're
- 23 headed.
- I hope all of you got a handout that we
- 25 left back there. There's plenty of copies.

- 1 One note that the Feasibility Study --
- 2 the work that I'll be talking about tonight is a
- 3 work in progress as of this meeting. We've
- 4 submitted it to the Navy and they're reviewing it
- 5 at this time, so it has not been issued to the
- 6 regulatory agencies or the public. So we're
- 7 getting a little preview here.
- 8 So OU 11 is about a ten-acre area.
- 9 It's about right smack dab in the center of the NAS
- 10 North Island base. The boundary of OU 11 is a
- 11 former industrial waste treatment plant and oily
- 12 waste treatment plant. As you can see here, it's
- 13 just about smack dab on the center of the island,
- 14 which is somewhat different than some of the other
- 15 areas that we're looking at that's very close to
- 16 the bay, obviously.
- 17 It includes a number of what we call
- 18 inactive solid waste management units which are
- 19 referred to as SWMUs, and there are a number
- 20 listed. And in the back of your handout there's a
- 21 table that actually enumerates each and every SWMU
- 22 that is part of this facility, and there are a
- 23 number of features such as oil water separators,
- 24 manholes, surface impoundments. They all have
- 25 their own unique identifying numbers, and I

- 1 couldn't rattle off what they were -- what SWMU 41
- 2 was if someone asked me, so that's why I provided
- 3 the table.
- 4 One of the focuses are what we call the
- 5 former surface impoundments, SWMUs 11 and 81, and
- 6 there are a number of these on the site which
- 7 received waste from the treatment process, what we
- 8 call the industrial waste surface impoundments
- 9 which have some ponds and sludge beds and waste
- 10 sludge basins and some oily water treatment plants
- 11 or OWTP basins, which have oily waste sludge beds.
- 12 This map here shows the location of the
- 13 SWMUs on North Island, and the principal features
- 14 here that we'll be talking more about are these big
- 15 impoundments here -- the North Pond, South Pond,
- 16 Sludge Beds -- these are the industrial waste
- 17 treatment plant surface impoundments. There's also
- 18 some sludge basins in here, SWMU 11, and over here
- 19 the oily waste sludge beds right in this area of
- 20 the site.
- 21 The former industrial waste treatment
- 22 plant or oily waste treatment plant processed and
- 23 disposed of hazardous and other wastes -- oily
- 24 wastes generated by North Island and other San
- 25 Diego Naval operations for a number of years.

- 1 The surface impoundments that I just
- 2 showed you contained wastes and appear to be the
- 3 primary source of soil and groundwater
- 4 contamination at OU 11. Several investigations
- 5 have occurred to date.
- 6 The facility is somewhat distinct from
- 7 a lot of the other sites that we work at because it
- 8 has undergone some RCRA permitting, and it's
- 9 actually what they call -- a part is permitted and
- 10 part interim status RCRA facilities. And so
- 11 various permits have been issued for the facility
- 12 over the time frame of the 1980s to the 1990s.
- 13 As these structures were closed and
- 14 updated for a new treatment plant, the Navy has
- 15 attempted to close the inactive SWMUs under RCRA
- 16 with efforts beginning in the late 1980s and
- 17 through 1998. And under these efforts contaminated
- 18 soil was removed from many of the SWMUs or the
- 19 SWMUs themselves were demolished, the wastes were
- 20 removed from the facilities, and the contaminated
- 21 soil underneath was removed to the extent that the
- 22 Navy could do so.
- There's an example of a concrete
- 24 demolition of one of the SWMUs in the facility. So
- 25 actually a lot of cleanup work has been done at

- 1 this site.
- 2 However, what we call clean closure
- 3 under RCRA has not been granted by the Cal-EPA
- 4 Department of Toxic Substances for any of the SWMUs
- 5 owing to the fact that there is some residual
- 6 contamination in the soils.
- 7 There are a lot of utilities at this
- 8 site, and the Navy attempted to go down and clean
- 9 out what they could, but they encountered a number
- 10 of subsurface obstructions, and they just couldn't
- 11 get it all.
- 12 In commenting on their closure
- 13 certification reports that the Navy wrote, DTSC
- 14 noted that there was some residual contamination
- 15 and actually suggested that the SWMUs be closed
- 16 with what is known as "waste in place." And this
- 17 is a formal procedure under RCRA that allows a
- 18 closure of a facility and basically involves
- 19 covering it up or capping it to prevent
- 20 infiltration from causing the soils to continue to
- 21 be a problem for groundwater.
- 22 So while some of this work was ongoing,
- 23 the Navy conducted a soil vapor extraction removal
- 24 action in 1996, and this was to remove volatile
- 25 organic compounds which were predominantly

- 1 chlorinated solvents in the soils, basically sucked
- 2 the vapor out of the ground and cleaned up the
- 3 soils. So they did that in and around these
- 4 surface impoundments, removed quite a bit of soil
- 5 vapor.
- Now, a little bit on the site
- 7 information. As I said, it's in the center of the
- 8 site. It's located near an aircraft runway. The
- 9 majority of the OU is paved. There's been no
- 10 reported use of the site by any special-status
- 11 animal species that would warrant protective
- 12 measures.
- 13 The Regional Water Quality Board has
- 14 designated the groundwater underneath NAS North
- 15 Island as non-beneficial in use, which essentially
- 16 means that it wouldn't be expected that it would be
- 17 potable for use as a drinking water supply.
- 18 Contaminants in the soil include what I
- 19 call these volatile organic compounds, petroleum
- 20 hydrocarbons and solvents, and some smaller amounts
- 21 of semivolatile organics and metals, PCBs.
- 22 At OU 11 groundwater is present as a
- 23 shallow aquifer underneath the site, and it ranges
- 24 from fresh to saline in nature and it flows north,
- 25 northwest in a fairly low rate.

- 1 This slide here shows the direction of
- 2 groundwater flow at the site. Those arrows are
- 3 basically showing the direction in which the
- 4 groundwater is going. It's moving fairly slowly
- 5 toward the northwest.
- 6 The groundwater is contaminated with
- 7 these chlorinated volatile organics. In prior
- 8 studies in site characterizations the shallow
- 9 groundwater was of some concern because of the
- 10 potential that these contaminants could volatilize
- 11 from the groundwater and affect industrial workers
- 12 at the site. The groundwater in the deeper
- 13 aquifers contains a lot of salts and total
- 14 dissolved solids, what we call, and it's really --
- 15 there's no means of exposure to the public.
- This figure is basically a map of the
- 17 volatile organic compounds, that plume, as it was
- 18 delineated in an earlier investigation in 1992. So
- 19 you can see it extends basically down the gradient
- 20 of the groundwater flow direction off the main part
- 21 of the facility.
- 22 And eight years later -- the plume has
- 23 been monitored for a series of about eight years,
- 24 and eight years later the plume looks approximately
- 25 the same in size. Generally it's not thought to be

- 1 really going anywhere, which is important.
- 2 As I said, three presumed former
- 3 sources of the contamination of the groundwater
- 4 exists: the sludge beds, oily waste sludge beds,
- 5 and the concrete lined basins.
- 6 As I said, nine years of groundwater
- 7 monitoring occurred at this site and have shown
- 8 that this VOC plume is relatively stable over time.
- 9 MS. MARRON: Could I ask a question?
- 10 MR. FRENCH: Sure.
- 11 MS. MARRON: Now, if I recall correctly,
- 12 contamination from Site 9, I think, had started to
- 13 reach the bay a couple of years ago.
- 14 MR. COLLINS: Right.
- MS. MARRON: And now that you've stopped
- 16 treating the VOCs at Site 11, that plume that has
- 17 remained stable, isn't that going to start moving
- 18 again? So it's going to start heading to the bay;
- 19 right? Because that's what's going northwest, so
- 20 it's going towards the bay.
- 21 How long will it take it to reach the
- 22 bay?
- MR. COLLINS: It's estimated to be well over
- 24 a hundred years, possibly closer to 150 years.
- MR. FRENCH: And to further clarify your

- 1 question, you had indicated that the or stated that
- 2 the plume has been treated. Actually, what was
- 3 treated was the soils. The soils overlying the
- 4 groundwater were treated with soil vapor extraction
- 5 to remove vapors from the groundwater. And one of
- 6 the reasons to do an action like that is to remove
- 7 contamination from the soil so it won't serve as a
- 8 continuing source for the underlying groundwater.
- 9 There's never been any groundwater treatment at
- 10 OU 11 per se.
- 11 And as Bill said, the predicted models
- 12 that have been used indicate that it might be a
- 13 hundred years before it reached the bay. From a
- 14 more practical perspective, nine years of
- 15 monitoring have shown that it's relatively stable.
- MS. MARRON: Okay.
- MR. FRENCH: In the groundwater there's
- 18 evidence of what we call anaerobic biodegradation.
- 19 It's a process that -- these volatile organic
- 20 compounds have chlorine additives in them, and some
- 21 of the parent compounds have like four chlorine
- 22 atoms. And the process of biodegradation,
- 23 indigenous microbes in the aquifer, basically go to
- 24 work on these solvents and they can start stripping
- 25 off the chlorine atoms, and if they're successful

- 1 in going all the way, they convert the solvents to
- 2 harmless byproducts such as ethene gas and carbon
- 3 dioxide.
- 4 So we do see evidence of that ongoing.
- 5 This is something that scientists look for in a
- 6 plume in evaluating whether natural processes are
- 7 capable of acting to degrade the plume.
- 8 So the remedial action objectives for
- 9 the FS are to protect the water quality of San
- 10 Diego Bay, protect the health of the personnel at
- 11 the facility or for whom could be visiting, and the
- 12 chief -- the necessary measures under the state
- 13 RCRA regulations to close the site.
- 14 For soil, given that the DTSC suggested
- 15 that closure with the waste in place be looked at
- 16 here, that sort of focused us into measures that
- 17 would achieve this RCRA closure. And, again, I
- 18 said the closure with waste in place involves
- 19 putting some sort of cover or cap on top of the
- 20 contaminated soil.
- 21 So that focused us pretty well to a
- 22 limited number of alternatives for the soil. Three
- 23 alternatives: no action, which is required under
- 24 the National Contingency Plan as a baseline for
- 25 what the other alternatives we're looking at; an

- 1 alternative that would involve limited site
- 2 improvements, backfilling and paving; and then an
- 3 alternative which involves a little more involved
- 4 cap. And both of these involved continuing
- 5 institutional controls to protect human health and
- 6 the environment.
- 7 So the Alternative S2, Site
- 8 Improvements/Institutional Controls, would involve
- 9 removing of concrete and debris from some of these
- 10 surface impoundments, filling of the basins and
- 11 ponds with clean soil; blacktopping of the areas;
- 12 and then there are various institutional controls
- 13 to maintain restricted access.
- 14 And this slide here shows in the
- 15 cross-hatch areas under this alternative the
- 16 principal sources of groundwater contamination
- 17 being the basins would be backfilled, concrete
- 18 removed from those that have a concrete liner, and
- 19 paved.
- 20 Alternative No. 3 takes things a step
- 21 farther and would involve a more extensive
- 22 engineered cap. It would also in common with
- 23 Alternative 2 involve filling of the basins and
- 24 ponds up to the existing grade, and then placement
- 25 of an engineered cap over a large portion of the

- 1 facility, and the institutional controls.
- 2 And we developed a concept for a
- 3 multilayer cap over the process of about five
- 4 months negotiating with specialists from the
- 5 Department of Toxic Substances. It involves
- 6 several features, but it would go on top of the
- 7 backfilled material in the basins and other
- 8 portions of the facility. It incorporates what we
- 9 call a geosynthetic clay liner, which is a very low
- 10 permeability engineered fabric that's made out of
- 11 Bentonite, and then a couple of other layers, and
- 12 would involve a program to monitor the amount of
- 13 water, if any, that went through the cap.
- 14 The areas evaluated for this cap are
- 15 somewhat larger in extent than the previous
- 16 alternative and also include a good part of the
- 17 yard around the facility where some of the other
- 18 piping is and some of the other SWMUs that have
- 19 been since removed.
- 20 For groundwater several alternatives
- 21 were evaluated. No action, again, as required by
- 22 the National Contingency Plan.
- 23 Monitored natural attenuation, GW-2,
- 24 involves basically just what's been done at the
- 25 site for the last eight years which is monitoring

- 1 the plume for various parameters to track the
- 2 biodegradation processes, verify that it's not
- 3 moving substantially; and then we've also provided
- 4 an alternative, which is a little more aggressive,
- 5 and involves a process to try and enhance the
- 6 bioremediation processes -- give the bugs some more
- 7 food and try to accelerate the remediation of the
- 8 plume.
- 9 So the monitored natural attenuation,
- 10 the Navy has been monitoring the plume under a
- 11 permit issued by the DTSC under RCRA, and it's
- 12 called an Evaluation Monitoring Program. It's been
- 13 ongoing now for eight years in one form or the
- 14 other, and under this alternative that would
- 15 continue. However, there were some negotiations to
- 16 improve the coverage of the monitoring wells around
- 17 the site with DTSC and geologists and
- 18 hydrogeologists that would involve replacement of
- 19 certain wells to get better coverage of the plume
- 20 and install some more deep wells. And this would
- 21 involve long-term monitoring, periodic reviews
- 22 every five years to evaluate whether this is
- 23 continuing to work and the plume is not migrating.
- 24 It's a fairly -- it's become an
- 25 increasingly utilized remedy for these plumes where

- 1 there's a limited chance for people to be exposed,
- 2 where there's a limited chance for surface water or
- 3 other areas to be impacted where they're relatively
- 4 isolated.
- 5 And this picture shows sort of the
- 6 scheme for the replacement and reinstallation of
- 7 the wells. On your figures in the handouts there's
- 8 a key or a legend that shows which wells would be
- 9 replaced, which deep wells would be installed.
- 10 And, as I said, that was arrived at through
- 11 extensive discussions and negotiations with the
- 12 scientists at DTSC.
- 13 The third alternative for groundwater,
- 14 this enhanced anaerobic bioremediation, would
- 15 employ an innovative technology to try to enhance
- 16 the existing natural biodegradation processes that
- 17 are ongoing in this plume. So it would attempt to
- 18 stimulate the microbes, the bugs, that are down in
- 19 the ground working to degrade these solvents
- 20 already -- a "feed the bugs" strategy, as it were,
- 21 in its simplest state -- and involves injection of
- 22 what we call a carbon source.
- 23 Sodium lactate is an environmentally
- 24 benign substance that's used in the food
- 25 preservative and processing industries, and it

- 1 basically is a $\operatorname{--}$ it has natural carbon in it which
- 2 the microbes use for metabolitic processes. It
- 3 basically helps them to -- it stimulates the
- 4 bioactivity. It's a fairly complicated biological
- 5 reaction, but this alternative would attempt to go
- 6 to the areas that had the highest contamination
- 7 right under those basins where there's sort of
- 8 still some high levels of contaminants, and try to
- 9 degrade those into harmless end products and
- 10 therefore accelerate the remediation process at the
- 11 site.
- 12 As I say, this sodium lactate, there's
- 13 been several pilot tests the Navy's conducted at
- 14 other sites in Southern California. It also has
- 15 been used full scale at the Idaho National
- 16 Environmental & Engineering Laboratory. We hooked
- 17 up with the scientists up at INEEL who had actually
- 18 negotiated the use of this technology with the
- 19 USEPA into a ROD amendment for a very large plume
- 20 up there, and it really was very successful up
- 21 there in completely converting some of these
- 22 solvents to harmless byproducts.
- So we've been doing a lot of talking
- 24 with them about this, and we think it has some
- 25 potential at OU 11.

- 1 It would be a very simple strategy of
- 2 just injecting this benign substance into three
- 3 existing wells on-site where there's contamination
- 4 immediately underneath the areas. It would only
- 5 last for a period of six to nine months, which is
- 6 about the time frame that we would expect for some
- 7 sort of reaction to take place.
- 8 And then the alternative would include
- 9 all of the elements of Alternative 2, which
- 10 prolongs monitoring to track the natural processes
- 11 in the plume.
- So we're at the stage where these
- 13 alternatives were compared and evaluated under
- 14 CERCLA criteria. The Navy is currently reviewing
- 15 our assessment of this, the document, and we'll be
- 16 receiving their comments next week we're told,
- 17 revising the FS and then issuing that to the
- 18 agencies and the public, hopefully by the end of
- 19 calendar year 2001.
- There'll be no recommendation regarding
- 21 a preferred alternative in this document. A
- 22 subsequent proposed plan would be put out for
- 23 public review and participation and would document
- 24 the Navy's preferred alternative for this site.
- 25 So as I say, what's next? Hopefully,

- 1 turn the FS around to the agencies and the public
- 2 by the end of the year, and then hopefully move to
- 3 a proposed plan for this site in 2001.
- 4 And that concludes my presentation.
- 5 I'll take any questions that anyone has at this
- 6 time.
- 7 MR. GEILENFELDT: In lieu of the fact, as I
- 8 understand it, this is the same area that the Navy
- 9 currently uses to store spent nuclear materials; is
- 10 that correct.
- 11 MR. COLLINS: Not correct.
- 12 MR. GEILENFELDT: I'm sorry. I was thinking
- 13 this was it.
- MS. MARRON: If the Navy went with the
- 15 Remedial Alternative 3 and they did the injection
- 16 of the sodium lactate, they did it for six to nine
- 17 months in the on-site locations, if it were
- 18 successful, would they continue to do it or would
- 19 they stop after the one treatment was over or one
- 20 alternative was done?
- 21 MR. FRENCH: I think the intent is to just
- 22 knock out the source areas which are immediately
- 23 underlying those basins and let the rest of the
- 24 plume attenuate naturally. They don't want to
- 25 scale this process up and inject so much liquid

- 1 across other portions of the site that they start
- 2 spreading things around. They want to really focus
- 3 it to try to take out these hot spots.
- 4 And they also want to move along with
- 5 the soil remedy or the capping of the soils, and
- 6 there are scheduling issues there where because of
- 7 this on-site treatment activity, it wouldn't be
- 8 feasible to go ahead and cap the soils until they
- 9 were really done with that.
- 10 So they really want to take out these
- 11 hot spots and then cap the site is really the
- 12 intent here.
- 13 Correct me if I'm wrong, Bill.
- MR. COLLINS: That's correct. It's a
- 15 one-time deal to -- truthfully. In order to walk
- 16 away from this site, as something they call a clean
- 17 closed site, you can't leave any contamination
- 18 behind, and that's pretty much impossible out here.
- 19 And there's no benefit to spend years cleaning up
- 20 the groundwater when it will still remain dirty.
- 21 It's going to be -- after we treat the
- 22 hot spots, it will still be, I'm sure, well over a
- 23 hundred years while these chemicals naturally
- 24 deteriorate and become harmless, but we can speed
- 25 it up by doing something like this treatment.

- 1 MS. MARRON: So the sodium lactate, you said
- 2 that if you did it more than once, it would kind
- 3 of -- you'd be putting -- it's a liquid, obviously.
- 4 You're putting in more liquid.
- 5 MR. COLLINS: It's food, yes.
- 6 MS. MARRON: So is that going to increase
- 7 the rate at which the groundwater is moving towards
- 8 the bay?
- 9 MR. COLLINS: Not appreciably.
- 10 As you can see from the drawing, this
- 11 has been very static since we quit putting waste in
- 12 the ponds. It's just not going anywhere. And in
- 13 some cases, even though you see those contour lines
- 14 still out there, the degree of contamination that's
- 15 in those areas is reducing already.
- So if we used a different contour
- 17 system, you would see that the plume is shrinking
- 18 in many places.
- MR. CLARK: Back on Figure 2-11, I was just
- 20 curious about the blue lines with figures on there
- 21 from 6.6 going on the other side to 5.6.
- What do those represent?
- MR. FRENCH: My audiovisual just went.
- MR. COLLINS: It's the contour lines.
- MR. FRENCH: Those are the contour lines,

- 1 the equal elevation lines of the groundwater, like
- 2 a contour map of the groundwater.
- 3 MR. CLARK: Okay.
- 4 MR. FRENCH: The black arrows should be
- 5 perpendicular to those equal elevation lines.
- 6 MR. CLARK: So that's actually the
- 7 elevation -- actual, physical elevation.
- 8 MR. FRENCH: Yes.
- 9 DR. MARSHALL: I have sort of a strange
- 10 thought on this.
- 11 We are so sensitive these days about so
- 12 many things in the air, bodies of ground all over
- 13 the place, on Slide 23 you said "protect the human
- 14 health of Naval Air Station North Island personnel.
- I think it would be well for PR or
- 16 whatever you want to say to put in there "and
- 17 people in Coronado" because this is a Coronado
- 18 board. Everybody on this island is worried about
- 19 getting stung, blown, burned, slopped on and
- 20 everything else. I'd add that on there just
- 21 because I think it means that this report is
- 22 thinking about Coronado also, not just the Navy.
- MR. FRENCH: Okay.
- DR. MARSHALL: If it's a true statement. I
- 25 have to add that.

- 1 MR. VAN ROOY: Is there any evidence that
- 2 the current operating industrial waste treatment
- 3 facility, we're not getting any additional
- 4 contamination from that source, are we?
- 5 MR. FRENCH: I have no evidence of that.
- 6 MR. COLLINS: I don't think we have a record
- 7 of any spill out there that lasted more than an
- 8 hour if they've had any at all.
- 9 Under the permit they have to quickly
- 10 clean up anything that they might spill, and they
- 11 don't have any pipeline leaks out there anymore,
- 12 and the current plant is not designed to have
- 13 liquid exposed to the soil at any time. There's
- 14 double wall containment on everything, so it's a
- 15 very nice operation now.
- MR. FRENCH: Any other questions? All
- 17 right. Thank you.
- 18 MR. LOCKE: Thank you, Jim. Very good
- 19 presentation.
- 20 Our next item is Site 9 Removal Update
- 21 from Bill Collins, and I think Merry Coons is going
- 22 to be helping.
- MR. COLLINS: She's going to help me.
- MR. LOCKE: She's the lead engineer on this
- 25 project for IT Corporation.

- 1 MR. COLLINS: This actually will be part of
- 2 the continuing saga of what's going on at Site 9
- 3 with our remediation of the site using soil vapor
- 4 extraction and free product recovery, and we're
- 5 heading into something that would be called by some
- 6 a new technology. That's where we use steam to
- 7 move it and will allow us to more rapidly collect
- 8 the contamination.
- 9 I think a lot of you are aware of the
- 10 pilot study we did out there a year or so ago on a
- 11 small portion of the site that was very effective.
- 12 In fact, it's so effective that EPA has been
- 13 interested in it, and we've actually given them a
- 14 presentation to show around the country. And, in
- 15 fact, about three weeks ago I had a call from
- 16 another contractor in New York State, and the State
- 17 of New York is going to use this on their site. In
- 18 fact, they should be running now. They were going
- 19 to do a pilot study at least starting in November.
- 20 It's a little different. They have
- 21 fractured bedrock, which is much more difficult to
- 22 deal with than this, but I don't believe they have
- 23 the level of contamination that we have. I believe
- 24 it's on an Air Force base, and wouldn't you know
- 25 it, they wouldn't tell me where other than near

- 1 Rochester. But this technology has the potential
- 2 to work wonders.
- 3 The pre-site history of North Island --
- 4 I think this is on another slide. This is a list
- 5 of the things we're going to talk about. Full
- 6 scale system, the bench test we did for water
- 7 treatment. Some of these might go a little
- 8 quickly. Our discharge options, and we do have
- 9 some new news there, and the next steps.
- 10 Everybody remembers where Site 9 is. I
- 11 think many of you have been on the tour. It's out
- 12 towards the Weapons pier in the southwest corner of
- 13 the island -- former island.
- The area was the sight of former
- 15 disposal pits. In fact, these pits were in
- 16 operation and caused so much problem with -- you
- 17 see the fiery marsh here? That was the problem.
- 18 It was unsegregated waste dumped into this huge
- 19 open area, and not even really a good pit. It
- 20 would catch fire. It caused a lot of trouble for
- 21 the fire department on North Island for the
- 22 military, so they built the IWTP at Site 11.
- They learned some things but not
- 24 everything when they went to Site 11. So we used
- 25 unlined pits here. They did use lined pits

- 1 somewhat.
- 2 Our area right now is pretty much
- 3 currently unoccupied. It would be classed as
- 4 almost boring out there in some areas.
- 5 In the past we have run our soil vapor
- 6 extraction process out there, and we pulled off
- 7 80,000 pounds of mixed VOCs. That included
- 8 chlorinated solvents and the lighter petroleum
- 9 products, gasoline being one of them, things like
- 10 that.
- In September '99 we set up a pilot
- 12 scale system because we couldn't get the whole site
- 13 clean. We kept having areas that were rebounding
- 14 with contamination. We'd get it pulled down and a
- 15 few months later it would rebound. So we had to
- 16 figure out what was wrong. We determined actually
- 17 that we had a plume of petroleum products down
- 18 there that in itself was contaminated with
- 19 chlorinated solvents. And as we would pull it
- 20 down, it would provide an opportunity for these
- 21 chlorinated solvents to come out of the fuel back
- 22 up into the soil and recontaminate it, and then
- 23 we'd be left where we were before.
- So we decided to do something, and
- 25 that's when we tried the steam. And the steam was

- 1 used to aggressively lighten, you could say, the
- 2 oils, the petroleum products down there, and turn
- 3 them from something that I always say is more like
- 4 a cold syrup, pancake syrup that you've had in the
- 5 frig and comparing it to after a minute in the
- 6 microwave when you can pour it real easily. So we
- 7 get the same kind of effect out there.
- 8 This allows it to flow to the wells
- 9 where we have pumps and we can recover the free
- 10 product. It also, by adding heat, energizes the
- 11 VOCs in there and they tend to off gas then and
- 12 come out into the soil where we can capture them.
- We can say we pulled off another 28,600
- 14 pounds of VOCs again. So in May of last year we
- 15 started -- we were doing product skimming only.
- 16 Actually, what we moved in total is 177,000 pounds.
- 17 What we've moved to now is we have
- 18 resumed construction this fall. We're setting up a
- 19 new full-scale system. I took a tour of the site
- 20 last week, and it's really blossoming out. A lot
- 21 of wells are in there, a lot of pipeline. It looks
- 22 more like a small refinery. A little different
- 23 than it did last time if you were on the tour a few
- 24 years ago and got to see the soil vapor extraction.
- 25 But we expect to be automatically

- 1 operating the site the end of November, around that
- 2 time. We've recovered 600 gallons of total fluids
- 3 right now. Now, that isn't a lot, but we were kind
- 4 of operating on manual and we're still building the
- 5 system. We're still attempting to get stuff out of
- 6 the ground, though, while we're doing that.
- 7 Around December and January, somewhere
- 8 in there, we will put steam to the ground and we'll
- 9 start performing a human type miracle.
- 10 Treatment system modifications. Well,
- 11 we've had to rebuild the plant. That's the simple
- 12 way of looking at it. Our carbon system had to be
- 13 changed, our boiler had to be changed. It used to
- 14 meet the code, but it doesn't meet the new code.
- 15 We had to change it out.
- Actually, we're adding more carbon.
- 17 We're actually going to treat a lot more VOCs over
- 18 the near future. We added a new low pressure
- 19 Lo-NOx boiler steam super heater to help us
- 20 maintain the low pressure out there, and added a
- 21 new steam heater. All these things are done to
- 22 beneficiate the system to make it work more
- 23 efficiently.
- Now, as far as the water treatment, we
- 25 did a little bench test with a company from Canada

- 1 that was given the task of trying to figure out how
- 2 to clean up that water, how to make it so clean we
- 3 could either dispose of it to the bay -- which is
- 4 actually legal under CERCLA. We don't need a
- 5 permit for it, but we do have to meet certain
- 6 standards, of course -- or to discharge it to the
- 7 ground, which again is legal, or if we wanted to,
- 8 continue to discharge it to the sanitary sewer
- 9 lines and they'll run it all the way out to Point
- 10 Loma.
- So we went through this little bench
- 12 test with the company. They've come up with a plan
- 13 that they think will do the job for us, and we've
- 14 sent our plans off to DTSC to review. They've
- 15 given us some comments on that, and we've taken
- 16 that into strong consideration, but this will allow
- 17 us actually to put the water back at the site.
- 18 When we quickly pretreat our water,
- 19 they'll do some anaerobic biological treatment that
- 20 takes care of a particular type of chlorinated
- 21 solvent. Then we'll do aero, and everybody's aware
- 22 of working out at the gym when you're doing aerobic
- 23 exercises and anaerobic exercises. It's the same
- 24 kind of process, and it probably makes these bugs
- 25 feel the same.

- 1 Then we'll get in there with our ozone,
- 2 and what's the "P"?
- 3 MS. COONS: Peroxide.
- 4 MR. COLLINS: Advanced oxidation. That
- 5 destroys additional chemicals. And then we'll have
- 6 activated carbon polishing on the water, and that
- 7 will strip more things out just as the carbon
- 8 strips things out in soil vapor extraction.
- 9 These little carbon particles have a
- 10 terrific surface area. I don't know what the
- 11 average particle of the surface is. I liken it to
- 12 the surface on a human being. It's more than you
- 13 can believe.
- 14 Currently we discharged -- actually,
- 15 currently we've stopped discharging to anybody --
- 16 to any particular system, and we're storing the
- 17 water. What we want to do is mitigate some volume
- 18 of water that we send to the treatment plant. The
- 19 Navy does pay to have that treated.
- 20 So we're going to conduct two pilot
- 21 studies out there, and one of them will involve
- 22 infiltration. The treated wastewater will be
- 23 transported to an area where there's buried slotted
- 24 pipe. Water will be discharged down to the pipe
- 25 and go down to the groundwater level, and then run

- 1 out along this long slotted pipe and then slowly
- 2 drip back into the groundwater. And our water will
- 3 be much, much cleaner than what's already there.
- 4 So it won't be as clean as tap water, but it will
- 5 be clean. And that's what we'll do.
- 6 And in the other area we're going to do
- 7 evapotranspiration where we apply the water to the
- 8 ground surface, it soaks in, and these special
- 9 plants that are there take up all the water. I
- 10 believe we're using poplars of some sort, and
- 11 they're thirsty plants. So they drink a lot. They
- 12 pull up the water. The contaminants are trapped in
- 13 the plants. The water is discharged to the air.
- 14 It just evaporates.
- MR. CLARK: Could I ask a quick question,
- 16 Bill?
- 17 MR. COLLINS: Yes.
- MR. CLARK: Why couldn't you convert this
- 19 water into steam that you're forcing into the
- 20 ground to bring up this other stuff?
- 21 MR. COLLINS: Turn it into steam. Well, we
- 22 are --
- MS. COONS: It's a very good idea, and we
- 24 considered it, but we'd have to treat the water so
- 25 much more in order to get it at a certain quality

- 1 to go through and not muck up our equipment. It's
- 2 not that it has to be a certain quality to
- 3 reinject, but it's just an engineering thing for
- 4 the equipment up top.
- 5 MR. CLARK: Thank you.
- 6 MS. FIELD: Can I ask another quick
- 7 question?
- 8 MR. COLLINS: Sure.
- 9 MS. FIELD: The stuff that is going into the
- 10 plants that eventually gets respirated and
- 11 evaporated, is that stuff sufficiently clean that
- 12 when we breathe it, that -- it's going to be safe
- 13 to breathe?
- MR. COLLINS: Yes. It will be safe to
- 15 breathe.
- Now, one thing I didn't mention is that
- 17 periodically -- and it depends on the type of plant
- 18 that you use. If you use annuals, obviously, you
- 19 have to harvest them every year. Poplars aren't
- 20 annuals, and so they should be able to take up
- 21 waste for many years, I would hope.
- This is the area where the fiery marsh
- 23 was. This is the area that we're doing our steam
- 24 treatment. We're going to pull that material out.
- 25 We have one area -- here's our irrigation yard.

- 1 We've moved it. And then up in this area we're
- 2 going to have -- that's where we'll have our own
- 3 infiltration area. We had also considered one down
- 4 here -- actually, right here. We're also looking
- 5 at one up in that area, and there are benefits to
- 6 both and probably disadvantages to both.
- 7 Our next steps at the site. We'll
- 8 start up our soil vapor extraction and steam
- 9 injection in the December-January time frame;
- 10 construct our infiltration and irrigation plots
- 11 January-February; complete the construction of the
- 12 water treatment system. That will happen some time
- 13 in the spring. We still have to move all that
- 14 equipment in and build it, and then have all the
- 15 components on line in the spring of next year.
- And probably somewhere around in there
- 17 we'll arrange for a RAB tour for those people that
- 18 want to see what's going on at all the sites and
- 19 for those that are just interested in this one, if
- 20 they want.
- Now, I think everybody knows that there
- 22 were some operational problems with all the
- 23 military bases in September and so we lost a few
- 24 weeks of time when we didn't have access to our
- 25 contractors and access to the site to continue the

- 1 construction. So we've been going as fast and as
- 2 safe as we can at this site since the point where
- 3 we were allowed to return to build the rest of the
- 4 system, so it's going pretty good.
- 5 Any other questions? Thanks. Thanks,
- 6 Merry.
- 7 I have the next one, too.
- 8 MR. LOCKE: Thank you, Bill.
- 9 Bill's also going to do a summary of
- 10 the funding history for the cleanup effort at North
- 11 Island and projected funding for the other years.
- MR. COLLINS: Did everybody get a copy of
- 13 the budget?
- 14 What I've prepared for you tonight is
- 15 something that we used to do for the previous RABs
- 16 when Captain Mello was here, if you remember
- 17 Captain Mello, and for a few of the other RABs also
- 18 to let you know where we spend our money.
- 19 Generally at North Island we've gotten
- 20 close to \$8-1/2 million a year for the last several
- 21 years, and it's always been enough to keep the
- 22 program rolling. We could always use more, but
- 23 it's enough to keep the program rolling and to
- 24 address the investigations and cleanups at many of
- 25 the sites on North Island.

- 1 So what I thought I'd show you is what
- 2 we spent this past fiscal year starting from
- 3 October in 2000 to the end of September this year.
- 4 We spent most of our money at the primary IR sites,
- 5 Site 1, being a big one. That's where the CDF is,
- 6 the confined disposal facility. That's where the
- 7 STENNIS is usually tied up, investigating that
- 8 area.
- 9 We spent some money monitoring our
- 10 landfills. You can see that for Site 2 and again
- 11 for Site 5.
- 12 Site 4 we monitored the groundwater.
- 13 These are kind of low-key things. There isn't much
- 14 to do and much to report, but it's necessary just
- 15 to check on what contamination might be there and
- 16 if there are any problems coming up so we can
- 17 address it more actively if we need to.
- 18 At sites like Site 9 we've been
- 19 actively involved in doing a Remedial Investigation
- 20 to address all of the contamination that's out
- 21 there and give a nice picture of what's there so
- 22 that we can do a Feasibility Study. Just like the
- 23 one that Jim is doing for Site 11, this is another
- 24 one we're doing for Site 9.
- 25 At Site 9 we have more options in that

- 1 we're allowed to do more. At Site 11 it's a
- 2 different situation because it was a permitted
- 3 site. It's regulated, so it has its own set of
- 4 rules that require things to be done. This site
- 5 does not, and therefore there's a lot more freedom
- 6 and options, and there are other -- unfortunately,
- 7 there are also a lot of other controls, too, that
- 8 we have to look at, but there's in a way much more
- 9 flexibility. We've been working on that. We've
- 10 been doing some ecological risk out there.
- 11 Site 10 we haven't been doing too much.
- 12 Site 11 we're big on the Feasibility
- 13 Study.
- We have other work. For those people
- 15 that know about SWMU 80, the industrial waste
- 16 pipelines, we've had presentations on that. We're
- 17 getting ready to do a big investigation on that.
- 18 That has miles of pipelines going all over the
- 19 northeast part of the base that we have to check
- 20 out.
- 21 As everybody's aware, we've been trying
- 22 to clean up the fuel at the fuel farm, and we have
- 23 been quite successful out there. We've done some
- 24 other little jobs cleaning up abandoned pipelines
- 25 and some small tanks.

- 1 You can see where the biggest amount of
- 2 money's at here at Site 9. We've been doing the
- 3 Remedial Investigation, but at Site 9 performing
- 4 the Removal Action to clean these chemicals out of
- 5 the ground, these contaminants, it takes a lot of
- 6 money. Unfortunately, it also takes a lot of time.
- 7 So we've had to spend a lot of money there, and
- 8 we've spent a lot of money on work plans for SWMU
- 9 80.
- 10 We're conducting a pilot study over at
- 11 Operable Unit 19, and the strange thing is -- well,
- 12 maybe it's not strange on military bases -- the
- 13 little plume at OU 19 that we're cleaning up is
- 14 very similar to the one that we're cleaning up at
- 15 Site 9. In fact, we're going to do another small
- 16 steam pilot study right there at OU 19 to see if we
- 17 can enhance that. So far we're only doing free
- 18 product recovery, and that's working out pretty
- 19 good, too, but hopefully in the spring of next year
- 20 we'll put steam to it and do much better.
- 21 Part of our North Island job is taking
- 22 care of places like NAB Coronado, which is
- 23 something that this RAB also has expressed concern
- 24 over, and the last year we didn't put any fresh
- 25 money into that pot. We had enough money left over

- 1 from previous years, so we just spent that.
- 2 One of the other bases we take care of
- 3 is SERE Camp. It's up in the mountains in Warner
- 4 Springs. That's where pilots train, Seals train --
- 5 a lot of people train up there, and we've been
- 6 monitoring the landfill up there.
- Now, last year we spent our money so
- 8 well -- either that or we've learned how to cry at
- 9 the right time -- we were actually able to get more
- 10 money than we were entitled to. So we did some
- 11 housekeeping around one of our SWMUs -- actually,
- 12 SWMU 132 is where the housekeeping took place --
- 13 and we cleaned up somebody's old sandblast grit.
- 14 Otherwise, there was no problem at the site. So we
- 15 have some people who would say we conned them out
- 16 of this money, but we got the money. That's all
- 17 that counts.
- 18 SERE Camp, we went in and we did some
- 19 landfill maintenance, restored the landfill,
- 20 putting in a new cover, making it much nicer so the
- 21 Water Board likes what we're doing.
- 22 Down at the Navy Communications Station
- 23 at IB we installed some groundwater monitoring
- 24 wells, and actually we were able to get the Water
- 25 Board to close a couple of the tanks down there.

- 1 Spend this \$44,000 down there for putting in wells,
- 2 taking samples, writing a short report, and proving
- 3 to them that this site is clean enough to close and
- 4 then we don't have to take care of it in the
- 5 future. We don't have to monitor it. It's done.
- 6 So that was good.
- 7 And then we were told that there was
- 8 some money left over actually in the Navy coffers
- 9 from the previous fiscal year. Normally, we don't
- 10 get a chance to get this money, but there was a
- 11 chance and we asked them for \$300,000 to put toward
- 12 the fuel farm, and we gave them a very good reason
- 13 why we should have it, and they gave it to us. So
- 14 as you can see, we got almost a half a million
- 15 dollars more than we would have normally.
- The total for the past fiscal year was
- 17 a little over \$8,800,000.
- Now, the interesting thing is what are
- 19 we getting this year? Unfortunately, the story
- 20 isn't quite as good because of some cutbacks in
- 21 Washington, D.C. that happened before September
- 22 11th. We knew we were going to lose approximately
- 23 12 percent of our budget. It's going to other
- 24 bases to close them down, and after a couple of
- 25 years on the dry side, North Island's budget will

- 1 then start to grow and get much bigger for several
- 2 years.
- 3 So what we're going to do next year is
- 4 continue our work at Site 1. We're doing a
- 5 background study for groundwater and looking into
- 6 the risk and several things like that. I've broken
- 7 out a line for analytical services because we
- 8 obtained that from another agency and our main
- 9 contractor that's working on Site 1 then uses that
- 10 data. It's just the way we've been doing this.
- 11 Site 2 we'll be back doing our landfill
- 12 monitoring. The same will be true at Site 5. That
- 13 will never go away.
- 14 Site 4, more groundwater monitoring.
- 15 Site 5 we hope to start our Feasibility
- 16 Study. That will take quite a while. Site 5, we
- 17 hope to finish our Removal Action with chemical
- 18 oxidation. That should be finished in early
- 19 spring.
- Site 9 we'll continue with our eco
- 21 risk, and we also have to do some human health risk
- 22 assessments out there, too, and that's included in
- 23 the next line.
- 24 Then our site management plan that
- 25 we'll update, and we'll be back in there where

- 1 there's a line for disposing of investigation
- 2 derived wastes. We do that through PWC. They have
- 3 a larger contract set up with another government
- 4 agency that will handle that. That works great for
- 5 us.
- 6 You can see we're putting over a
- 7 million dollars again into the removal action
- 8 that's going on at Site 9. We should tell you that
- 9 at Site 9 I think you should expect to see millions
- 10 being poured in there every year for many years.
- 11 So it's not one of these sites that will slowly
- 12 have a reduction in expenditures or I should say
- 13 have a rapid reduction.
- We give a lot of tours out at North
- 15 Island, believe it or not, to scientific groups and
- 16 regulators, and so I put aside some money for that
- 17 so we can rent the buses from the Navy. In fact,
- 18 when we go on the RAB tour, that's what we pay for.
- 19 That's how we do it.
- 20 We've got some more for Site 9 for "RAB
- 21 Support." We actually have a contractor that works
- 22 for us for this particular meeting -- setting up
- 23 the chairs, the tables, sending out the agendas,
- 24 typing up the minutes, doing the RAB transcript and
- 25 all of that stuff. We do pay for that. Our region

- 1 is John's office who will be helping with that, so
- 2 I've included that as an expenditure. We'll do the
- 3 contracting; they'll provide us the money.
- 4 Site 11, we'll be finishing up our FS
- 5 plus we'll be working on our RAP/ROD. RAP is a
- 6 Remedial Action Plan. That's a state document.
- 7 And a ROD is a Record of Decision. That's a
- 8 federal document. They pretty much do the same
- 9 thing, and that will allow us then to choose the
- 10 final remedy for Site 11.
- 11 And then going into the next line, to
- 12 do our remedial design. We'll also do the post
- 13 closure permit application. The data that's in
- 14 both of them is so closely intertwined, and
- 15 actually some portions have to be exactly the same
- 16 that we're going to take care of the whole thing.
- 17 And then hopefully, if things were to
- 18 go fast, we would then have money to start our
- 19 Remedial Action out there at Site 11. Sometimes
- 20 the work doesn't go as fast as the calendar year,
- 21 so jobs get delayed. There's a lot of stuff to
- 22 review. Sometimes money gets cut out. Sometimes
- 23 we're just not as fast as we thought we should be.
- We've got more money going to SWMU 80
- 25 for work plans, and hopefully we'll be out in the

- 1 field starting to do some work next year, too.
- 2 More money for the fuel farm. More
- 3 money for the pilot study on OU 19 to get their
- 4 free product out of the ground; and then, again,
- 5 SERE Camp.
- 6 You can see from the total here --
- 7 \$6,800,000 -- that we're about \$2 million short of
- 8 where we were last year. Hopefully, toward the end
- 9 of this year after we've gotten all of this
- 10 obligated, we will run into the same situation we
- 11 had last year, and we will find that some other
- 12 Navy activities just can't spend their money as
- 13 fast as they should, and we will step forward and
- 14 volunteer to take it. We won't rob them, but we'll
- 15 take it. And then we'll get to do some more work
- 16 for North Island and Coronado.
- 17 It's always been -- at least for the
- 18 past several years we've always gotten more than we
- 19 should have here or at least in the eyes of some
- 20 people.
- 21 Any questions?
- MR. GEILENFELDT: This Site 5 money that's
- 23 set up, Bill, is that this year's budget or last
- 24 year's budget?
- MR. COLLINS: This one is this year's

- 1 budget. October 1 of this year till September 30th
- 2 of next year.
- 3 MR. GEILENFELDT: Things that need to be
- 4 done is going to be done on this year's budget.
- 5 MR. COLLINS: Yes. It should be. Now,
- 6 hopefully, this is enough money to do everything we
- 7 need to for this year.
- 8 MR. GEILENFELDT: Second question in general
- 9 terms, is any of this ongoing activity effecting
- 10 our servicemen on their current activities at the
- 11 national level?
- 12 MR. COLLINS: No.
- MR. GEILENFELDT: Does any of this enter
- 14 into this at all?
- MR. COLLINS: No. Generally if there was a
- 16 problem, it would be the other way around. They
- 17 would tell us slash a million or slash two million
- 18 off, and that's happened before.
- And that's what would happen to us, and
- 20 we'd have a smaller budget. And we would try to
- 21 figure out how to take the residue of what's left
- 22 after a cut and spread it out over the job and
- 23 still do as much as we could. We might end up
- 24 having to sacrifice a few sites and not do
- 25 something, but unfortunately, people expect us to

- 1 do certain things. Regulators would still expect
- 2 to get their reports whether or not you have as
- 3 much money this year as last year, so we pretty
- 4 much have to do it.
- 5 MR. GEILENFELDT: Thank you.
- 6 MR. VAN ROOY: Bill, the free product
- 7 removal, the hundred thousand, is that the money we
- 8 get from the Defense Energy Support Center or is
- 9 that the Navy's share of it?
- 10 MR. COLLINS: That's the Navy's share.
- 11 That's out of our current budget.
- MR. VAN ROOY: We get another \$100,000 from
- 13 Defense Energy Support Center, too.
- MR. COLLINS: And Region is supposed to
- 15 cough in some money, too.
- 16 You know, the great thing out at the
- 17 fuel farm is that it's cleaning up very fast now.
- 18 We're recovering less and less in the way of free
- 19 product, and now we're going to look at some other
- 20 methods to get the contamination out of the ground.
- 21 So that site is going really nice.
- Thanks.
- MR. LOCKE: Thank you, bill.
- Our next presentation is from Sullivan
- 25 Consulting. Bill Ulmer works for Sullivan

- 1 Consulting and Steve Sullivan. This is for an
- 2 Internet RAB portal. I'd like to call it a virtual
- 3 RAB. It will be a place where people can go and
- 4 look at our RAB, get involved with it and may want
- 5 to become a member.
- One of the features of this is, as
- 7 they'll tell you, is that people from outside
- B Coronado will have easy access to what we're doing
- 9 and may want to join the RAB even though they're
- 10 not in the community.
- 11 MR. SULLIVAN: Just like John was saying,
- 12 the RAB portal is really an extension of some of
- 13 the other outreach activities that are already
- 14 occurring within the RAB and kind of connecting
- 15 with the community. And although currently there's
- 16 some newsletters and other types of information, I
- 17 think there's some of these folks that have an
- 18 interest in Installation/Restoration activities
- 19 throughout the region.
- 20 What we've actually tried to do here --
- DR. MARSHALL: Excuse me. Are those spares
- 22 you've got there? Thank you. Sorry to interrupt
- 23 you.
- MR. SULLIVAN: So what we're really trying
- 25 to do is really make this an easy kind of navigable

- 1 opportunity for folks who have an interest in
- 2 learning more about a lot of the things that
- 3 everybody spoke about prior to our presentation.
- 4 So really kind of look at this as kind
- 5 of like a discovery channel opportunity for an
- 6 Installation/Restoration program activity here
- 7 within a region.
- 8 As you can see, it's fairly easy to
- 9 look at, and there's not a whole lot of things
- 10 going on there. We've got a fairly simple
- 11 navigation bar. On the left you've got access to
- 12 "Meeting Archives, Community Outreach, Case
- 13 Studies" -- which I'll talk about a little bit
- 14 more -- "Tools & Resources," and then the "IR
- 15 Connection."
- 16 Again, a simple clarification of what
- 17 the purpose of the RAB is for, what the Restoration
- 18 Advisory Board is kind of all about.
- 19 Again, the reason why the decision was
- 20 made to kind of make this happen is to really make
- 21 it easy for folks out in the community to go to
- 22 kind of a simple, kind of one source, one stop shop
- 23 for information regarding the Restoration Advisory
- 24 Board, and also to access a lot of the information
- 25 that the folks did of the previous presentations.

- 1 A lot of that information will be also available
- 2 here.
- 3 Bill mentioned possible tours in the
- 4 future, and potentially there could be online
- 5 virtual tours where people could click on it and
- 6 maybe actually see a site tour that either they
- 7 couldn't make it or they're interested in it but
- 8 they just don't have the funds or time to make it
- 9 to that event. So Bill's going to kind of guide us
- 10 through and try to explain to you each one of these
- 11 areas.
- Meeting Archives, what we've done is
- 13 we've brought kind of the most current archive or
- 14 meeting minutes to each of these minutes, and what
- 15 it does is it gives people access to the most
- 16 recent ones, and then they can go ahead and delve
- 17 into the deeper archive if they click on the "Click
- 18 Here" button.
- 19 Right now this is strictly a Power
- 20 Point presentation, so it's not dynamic. We can't
- 21 click on it.
- 22 Let's go ahead and continue to move
- 23 forward here, Bill.
- You can see the "Fact Sheets, Public
- 25 Notices, Photo Gallery." The photo gallery, of

- 1 course, will have different photos.
- 2 For some of you folks that are sitting
- 3 here in the audience, it's very easy to conjure up
- 4 some of the things that these folks are talking
- 5 about, and for some of you it may be very
- 6 difficult. And so what's going to happen is you'll
- 7 be able to -- for example, a steam extraction
- 8 system, there's going to be a visual in here for
- 9 you to look at so you can actually identify with
- 10 what the technical folks are talking about and go
- 11 "Okay. That makes sense. I understand how it
- 12 works," and possibly associate diagrams and other
- 13 information about the technology that's being used
- 14 at that site.
- On the right is the -- part of this
- 16 whole community outreach is to develop a
- 17 two-direction flow of communication from the
- 18 community and from the RAB. So the folks on my
- 19 right, those web links, what we're going to do is
- 20 negotiate and establish links at those universities
- 21 or those organizations so the folks within those
- 22 organizations or institutions will start accessing
- 23 information at the RAB for research, interest, et
- 24 cetera. So it's sort of extending the community
- 25 dialogue on what's going on here.

- Case studies, we've actually taken --
- 2 we've got 12 of the top case studies at North
- 3 Island. We've got six at the Amphib Base. Again,
- 4 just another opportunity, and what we're going to
- 5 try to do is insert additional information into
- 6 those case studies that already exist which would
- 7 include pictures, diagrams, points of contact, when
- 8 the program started, where it's at now, and what
- 9 are kind of the future efforts that are going to be
- 10 involved in each one of those areas.
- 11 The forum, which is really what we're
- 12 doing here. Some of the folks -- we've really kind
- 13 of got a forum here and people are kind of
- 14 developing a dialogue, and it's difficult to gather
- 15 momentum when you have kind of a one-time shot
- 16 every couple of months or every month. And what
- 17 this will do is give you folks and other people in
- 18 the community an opportunity to develop a steady
- 19 dialogue on a specific piece of technology or
- 20 something that's of interest to them because
- 21 they're working on it or part of that activity.
- 22 For example, if somebody tomorrow had
- 23 additional questions for Jim but they're afraid to
- 24 ask them here because they think they're silly or
- 25 whatever, they could go ahead and develop that

- 1 forum dialogue with him online. Again, basically
- 2 just put your name in there, put the subject in
- 3 there, send the message to the person that's going
- 4 to receive it. In this case it's soil and
- 5 groundwater at Site 5. And then basically they can
- 6 post a reply. This is just an example of what it
- 7 may look like.
- 8 Down in tools and resources, the key
- 9 publications of why are we doing this anyway.
- 10 Folks can go here and go "Okay. Here's initial RAB
- 11 guidance, DoD policy statements, documents, et
- 12 cetera" that really are kind of the driving force
- 13 behind all of the activities that are occurring at
- 14 each of the restoration sites.
- Different tools, fact sheets, et cetera
- 16 that can help the folks utilize the information to
- 17 expand their knowledge on the different things that
- 18 are happening at those installations.
- The other part of this tools and
- 20 resources is also a resource for folks that are
- 21 actively involved in the technological aspects. So
- 22 the contractors and other people that are
- 23 involved -- for example, anybody within the Point A
- 24 and Point B where the contract is let and all the
- 25 way to where the work is being done, all of those

- 1 folks have an interest and have different interests
- 2 and want to know about what's going on out there,
- 3 so they can easily go to this site and click on,
- 4 you know, "Hey, we want to see really what this
- 5 contract is all about." They can click on it and
- 6 they'll find out about the steam injection system
- 7 or any other new technology that's being used by
- 8 one of the contractors on the site. And, of
- 9 course, a list of the contactors that are actively
- 10 involved.
- 11 And then finally the IR Connection.
- 12 This is where -- we don't know that lady there.
- 13 The IR Connection is actually going to be a place
- 14 where we're going to hopefully select key people
- 15 that have specific information or knowledge about
- 16 different aspects of the Installation/Restoration
- 17 program, and they kind of become the "online
- 18 expert," so to speak. So let's just say it's these
- 19 two folks over here -- maybe Jim is an expert on
- 20 soil extraction and somebody else here in the room
- 21 has an expertise in pumps that are related to the
- 22 process. They're going to give a key word they'll
- 23 be able to cue off of. So the person will actually
- 24 put the question in there and it will cue off the
- 25 key word. So if it's Jim and he said he's really

- 1 interested in getting all of the e-mails on soil
- 2 extraction, he'll get those and he'll be able to
- 3 respond.
- 4 So hopefully we're going to get --
- 5 everybody in this room tonight is a volunteer for
- 6 that. What it's going to do is just help again get
- 7 folks involved in responding to inquiries from the
- 8 community about what's going on at the sites.
- 9 And, of course, the old infamous search
- 10 option where you can go ahead and enter in whatever
- 11 you're looking for and it will hopefully bring up
- 12 the information you're looking for.
- So that's it. Any questions? Are we
- 14 missing something?
- MR. VAN ROOY: Would we advertise the
- 16 availability of this like in the "Coronado Eagle"
- 17 and "Journal"?
- 18 MR. SULLIVAN: Absolutely. That was one of
- 19 the suggestions that John had.
- The other thing I was going to add on
- 21 to the other resources and opportunities at the
- 22 site, you'll also be able to look at and view or
- 23 there's actually going to be a link to the Navy
- 24 Environmental Leadership Program site where you'll
- 25 be able to learn about some of the other P2

- 1 technology, some of the other technology that's
- 2 being utilized throughout the Navy and the region
- 3 and possibly in connection with the IR site
- 4 activities.
- 5 MS. FIELD: Is this a project that's unique
- 6 to our RAB or are there similar portals that are
- 7 going to be for all the RABs across the country
- 8 that we could access and they could access us?
- 9 MR. SULLIVAN: That's a good question.
- 10 Right now to the best of our knowledge
- 11 in San Diego this is going to be the first kind of
- 12 portal for this type of effort. There's a number
- 13 of sites out there, and the problem that we found
- 14 through some of the research that we did prior to
- 15 developing this concept with John was a lot of this
- 16 information is buried in sites. For example, it
- 17 would be like dod.newtechnology and it's buried in
- 18 like the engineering area or some other obscure
- 19 area within a web site for a command or an
- 20 installation, and it's very difficult for the
- 21 community to access that information or know how to
- 22 navigate into that information on the RAB.
- 23 There's going to be -- right now we're
- 24 looking at two options for sites for people to
- 25 access. Right now it's nasni.navy.mil\rab or

- 1 navyregionsouthwest.navy.mil\rab.
- 2 And so it's fairly simple. We've tried
- 3 to cut out half the military address that you
- 4 normally have. That was part of John's effort to
- 5 make it very simple for people to go one site, one
- 6 address to access the information.
- 7 MS. FIELD: And does that get you to -- I
- 8 mean, if there's a RAB in say Norfolk or something,
- 9 how do you -- are they going to have something
- 10 similar?
- 11 MR. SULLIVAN: We've talked about having
- 12 links to the other RAB sites. As far as expanding
- 13 the portal for other RABs, that's probably not
- 14 within the scope of John's contract, I would think,
- 15 but there will be I think links for you to go to
- 16 other RABs.
- MS. FIELD: But other RABs have something
- 18 similar. I guess that's my question.
- MR. SAUNDERS: I'm the Environmental Public
- 20 Affairs officer for Southwest Division NAVFAC, and
- 21 I don't know if you're aware of this but we've had
- 22 a Restoration Advisory Board web page on since '95,
- 23 and I've been putting that together and supervising
- 24 it since then.
- This is a good thing to do, but there

- 1 are a lot duplications going on here. The web page
- 2 that I deal with has close to 20 RABs on it that
- 3 we're responsible for on the West Coast and such.
- 4 So there's some things you're doing
- 5 different here, but a lot of things have already
- 6 been on. In fact, the web address is placed in the
- 7 meeting minutes in every issue that comes out.
- 8 Just to let you know that.
- 9 MR. GEILENFELDT: I think Marilyn's question
- 10 was can she or anyone in the RAB have access to
- 11 this information here or other RABs as well.
- MR. LOCKE: Well, we initially talked about
- 13 having some RAB page called Navyrab.com, but we
- 14 thought that would be too ambitious for us to take
- 15 on that web address and also our IT folks wouldn't
- 16 appreciate that, but I can see in the future where
- 17 that would happen.
- 18 Lee Saunders, he's got a big start on
- 19 that. He's been putting these minutes in since the
- 20 beginning, and this is the same idea.
- MR. SAUNDERS: Yes. I have the fact sheets,
- 22 the meeting minutes, the photographs, all that
- 23 stuff. That's been going on since '95.
- MR. LOCKE: Probably all the EFDs have
- 25 similar --

- 1 MR. SAUNDERS: All the EFDs have web pages.
- 2 Of course, ours is focusing on environmental -- IR,
- 3 CERCLA -- and there's a web page for each of the
- 4 RABs that we support. Again, there's close to 20
- 5 of them.
- 6 MR. COLLINS: So we could have a link
- 7 somehow to yours --
- 8 MR. SAUNDERS: Right. Absolutely.
- 9 MR. COLLINS: But that's for other -- well,
- 10 it's more than Southern California now.
- 11 MR. SAUNDERS: Right. It's Northern
- 12 California and Southern California.
- MR. COLLINS: But to get to other bases
- 14 halfway around the world or even as close as
- 15 Virginia, I'm not sure if we can put that link in
- 16 yet, although maybe somebody can research that.
- 17 MR. BONSAVAGE: Well, if you want to reach
- 18 other RAB members, there is a mailing list out
- 19 there that deals with the military Restoration
- 20 Advisory Board.
- 21 MR. SAUNDERS: The Department of the Navy
- 22 has put something like that together.
- MR. BONSAVAGE: Yeah, tied to that mailing
- 24 list. And then you can pose any questions you have
- 25 to other RAB members around the globe basically on

- 1 the mailing list, too.
- 2 MR. GEILENFELDT: This mailing list, you
- 3 mean like it would be the Internet access? Is that
- 4 what you're talking about for the mailing list?
- 5 MR. BONSAVAGE: Yeah. I'm talking about an
- 6 Internet mailing list.
- 7 MR. SAUNDERS: Well, did anybody from the
- 8 North Island RAB attend the RAB workshop in Denver?
- 9 MR. GEILENFELDT: Uh-huh.
- 10 MR. SAUNDERS: They talked about that at the
- 11 workshop.
- MR. GEILENFELDT: In fact, I think I have
- 13 that information. If you want, Marilyn, I can get
- 14 it for you.
- MS. FIELD: Thank you.
- MR. LOCKE: And this is ever changing, too.
- 17 It isn't static.
- MR. BONSAVAGE: Right.
- MR. COLLINS: And in our NELP program, which
- 20 was designed for Navy Environmental Leadership,
- 21 there was an Installation/Restoration program
- 22 portion which we provided information for, but
- 23 there's other information, too, for pollution
- 24 prevention and compliance problems and other
- 25 studies. So we have fact sheets for those things.

- 1 And a person that is interested could
- 2 then hit the link to go to the NELP Website and
- 3 then look at that other information, too. Stuff
- 4 that you might not know is otherwise available is
- 5 interesting about how the Navy is handling
- 6 contamination or pollution and what they're doing
- 7 to prevent it or if they're trying new techniques.
- 8 So that's interesting. It's not really
- 9 part of our IR program, and we seldom bring it up
- 10 here, but that will be part of this. And then
- 11 there are several NELP fact sheets that are
- 12 separate from the series that have been produced
- 13 just for our program. We're up to No. 13 now. And
- 14 there are NELP sheets also that describe some of
- 15 the things we're doing or some of the processes
- 16 we've tried out here that are beneficial to us, and
- 17 you get access to that stuff.
- MS. MARRON: Bill, what was the name of that
- 19 group up at San Francisco State University? Are
- 20 they still --
- MR. SAUNDERS: You're talking about CPEO.
- MS. MARRON: That's it.
- MR. COLLINS: I haven't had anything to do
- 24 with them.
- MR. SAUNDERS: That's a totally different

- 1 separate thing. That has nothing to do with the
- 2 Navy or the Department of Defense. That's an
- 3 independent organization.
- 4 MS. MARRON: Right. They offer a certain
- 5 kind of support to RAB members. That's kind of
- 6 outside of the Navy but it is geared towards
- 7 environmental cleanup of military bases.
- 8 MR. BONSAVAGE: They run that mailing list.
- 9 MR. LOCKE: What's the acronym for them?
- 10 MR. BONSAVAGE: It's the Center for Public
- 11 something.
- MR. SULLIVAN: I can give you the name in a
- 13 moment.
- MR. LOCKE: It's a lot of information.
- MS. MARRON: Anyhow, Marilyn, it's a good
- 16 resource to get in touch with other RABs and other
- 17 cleanup groups.
- MR. SAUNDERS: It's the Center for Public
- 19 Environmental Oversight. In fact, their executive
- 20 director sits on the Mountain View -- not the
- 21 Mountain View but the Moffett Field -- Moffett
- 22 Federal Air Field RAB up in Mountain View, Lenny
- 23 Siegel.
- 24 MS. FIELD: This is really sort of off the
- 25 particular point, but it just occurred to me -- I

- 1 haven't really thought about it before -- but you
- 2 must face similar cleanup problems across the
- 3 county. With all the different cleanup operations,
- 4 there must be common issues from base to base, and
- 5 I'm wondering how you and your cleanup efforts here
- 6 tap into the expertise that's developed elsewhere
- 7 in the country.
- 8 MR. COLLINS: Well, a lot of that
- 9 information is shared at the Navy program managers
- 10 meeting that's held every year. In the past,
- 11 several of our members have gone and given
- 12 presentations on the techniques we're using to
- 13 clean up sites, and at other professional meetings,
- 14 too, we give presentations. We do that all year
- 15 long.
- In fact, we'll be giving more this year
- 17 for a group that comes to San Diego every year. We
- 18 meet in March and give them a tour, but last year
- 19 we made three presentations. The year before we
- 20 made several. We've gone to Monterrey to another
- 21 conference and given presentations, and then the
- 22 Navy thing. And then we share by way of fact
- 23 sheets when we generate those or our NELP guide
- 24 will have the information, and we will send it out
- 25 to all the military bases and share it that way.

- 1 The information doesn't flow as easily
- 2 as you would think. Actually, everybody is really
- 3 busy, and so it's hard to find time to call up a
- 4 bunch of other people at other bases and find out
- 5 how they're handling certain situations. And each
- 6 base is really unique. Although we have many
- 7 similarities, it's the same chemicals in a way,
- 8 there's always a difference. Somebody has used
- 9 something else that you haven't got and it's
- 10 complicated the situation or the soil is different
- 11 and it's hard to work with. And while things seem
- 12 to be similar, they're often very different and the
- 13 technology just doesn't work.
- 14 And along that line, I'll show you
- 15 this. You remember a couple of years ago we were
- 16 trying this NoVOX technology out at Site 9 --
- 17 pumping air down into the ground and getting the
- 18 contaminants to come up in bubbles, and the bubbles
- 19 would burst, and we'd recover the vapor, and we ran
- 20 it through our Thermatrix thermal oxidizer and we
- 21 destroyed them, and that worked really great when
- 22 it was running. But we couldn't keep it running
- 23 for more than two or three weeks at a time before
- 24 the air that we were putting into the ground caused
- 25 the bacteria in the water to grow like crazy. It

- 1 was like having a greenhouse, but this was air.
- 2 And we'd get precipitates in our wells and in the
- 3 aquifer, and the bacteria would grow so fast it
- 4 would clog the wells. It didn't work for us. So
- 5 we wrote it off as a failure, although we spent a
- 6 lot of money, but we did learn a lot from it.
- 7 Now it turns out that same system was
- 8 installed at Cape Canaveral -- I believe it's
- 9 either at Cape Kennedy or the adjacent air force
- 10 base -- and it works like a charm. We didn't know
- 11 that. I don't know if they know that it failed for
- 12 us, but it's good to know. And that's the kind of
- 13 information that should be shared, and by having a
- 14 good Website like this with some knowledge about
- 15 it, people can find out.
- MR. SULLIVAN: Any suggestions for
- 17 improvement or cross links? For example, a link to
- 18 the PDO site at Naval Region Southwest, et cetera.
- 19 Anything you guys think would enhance
- 20 or make this better, let us know or let John know
- 21 and he can pass the word to us.
- 22 MR. CLARK: I have a little comment here.
- For me this is useless. I can't read
- 24 it without a magnifying glass. I would like you to
- 25 make the pictures larger so we could see it, and

- 1 especially the information thing down there where
- 2 we can get to the Website.
- 3 MR. SULLIVAN: Actually, that's a good
- 4 point. The Website will be Regional then. Right
- 5 now if you try to find this, you won't find it
- 6 until January.
- 7 MS. COONS: What is the Website for that in
- 8 January then?
- 9 MR. ULMER: It's going to be one of two
- 10 things: either www.nasni.navy.mil\rab or
- 11 www.cnrsw.navy.mil\rab. Those are the two options
- 12 as we stand today.
- 13 MR. SULLIVAN: Simple to find.
- MR. COLLINS: If somebody wants a larger
- 15 copy of this right now, I too have to take off my
- 16 glasses and get within an inch of it.
- 17 Can we get larger copies for anybody
- 18 who wants one?
- 19 MR. SULLIVAN: Absolutely.
- 20 MR. COLLINS: Then call John and get one
- 21 that you can read.
- MR. LOCKE: Can we send it out via the
- 23 minutes?
- MR. COLLINS: And I'd like a regular one
- 25 anyway for the Admin Record. This a good

- 1 challenge.
- 2 MR. LOCKE: Are there any other questions
- 3 for Steve?
- 4 MR. SULLIVAN: Thank you very much.
- 5 MR. LOCKE: Our next agenda item is what
- 6 we're going to talk about in the next RAB meeting.
- Now, do we have a date for the next
- 8 RAB? Have we set a date?
- 9 MR. COLLINS: No. It should be, if
- 10 possible, the third Thursday, if possible.
- 11 Valentine's Day? I don't think that's going to
- 12 work. If we can, shoot for the 21st.
- 13 MS. BOYD: I'll have to call the library and
- 14 see, but I will try for the 21st.
- What other dates 'cause you really
- 16 should block them in.
- MR. COLLINS: Well, that's as far as we can
- 18 go at this time. We have to renegotiate the
- 19 contract. I would say if it fails, try the 28th,
- 20 and we'll figure out a way to make it all work.
- 21 MS. BOYD: I'll call them tomorrow and
- 22 e-mail you.
- MR. COLLINS: Okay. Great. Thank you.
- MR. LOCKE: Now how about some agenda items?
- 25 Does anyone have any suggestions?

- 1 MR. COLLINS: Yes. The Site 5 Removal
- 2 Action and Site 9 Removal Action.
- 3 MR. GEILENFELDT: We'll need to have a
- 4 progress report on the -- if we're going to go
- 5 ahead and do the Flower Show booth in April, we'll
- 6 have to have a progress report on that in April.
- 7 MR. COLLINS: Oh, yes. Flower Show, yes.
- 8 MR. GEILENFELDT: If we're going to do it.
- 9 We need to decide tonight if we want to do that so
- 10 I can notify her and let her know.
- 11 MR. COLLINS: I think we should do it, yes.
- MR. LOCKE: We did the Flower Show last
- 13 year, and we talked to a lot of people. I thought
- 14 it was successful.
- MR. COLLINS: Not a soul showed up or
- 16 volunteered, but it is worth it. You know, it's a
- 17 good effort.
- MR. GEILENFELDT: Well, Leticia made a
- 19 suggestion, and I think it's very important. This
- 20 time let's get some names of people that might come
- 21 to these meetings. Get names and phone numbers.
- 22 Get a list and ask people "Would you like for us to
- 23 contact you when these meetings come up."
- I think that's an excellent idea, and
- 25 we might get some activity out of that. I know

- 1 people get phone calls a couple of days before.
- 2 Oftentimes it's a good reminder.
- 3 MR. LOCKE: Do we have a date?
- 4 MR. GEILENFELDT: Yes. April 12th and 13th.
- 5 We're going to have to discuss
- 6 volunteers. Foster helped last year. He was
- 7 great, and we had some other helpers. Bill was
- 8 there and John was there.
- 9 MR. COLLINS: We'll do that in February
- 10 then.
- MR. GEILENFELDT: All I have to do is tell
- 12 her yes or no. That's all I need to tell her.
- 13 Shall I go ahead and tell her yes? All
- 14 right. We have to make sure the Navy's going to
- 15 provide the backdrops and all that sort of thing.
- MR. COLLINS: And I'll make reservations for
- 17 that backdrop, too.
- MR. GEILENFELDT: Okay. Does anybody have
- 19 any input on that? We'll need volunteers. You and
- 20 you type thing.
- 21 MR. VAN ROOY: It was fun.
- DR. MARSHALL: Did you say last year that
- 23 the spotlight became -- you thought that was a good
- 24 idea to maybe put it closer down or something?
- MR. GEILENFELDT: The spotlight?

- 1 DR. MARSHALL: The spot where we were. You
- 2 didn't like that place. You wanted to be closer to
- 3 the door or something.
- 4 MR. GEILENFELDT: Actually, that location we
- 5 were at was not too bad, but we have pretty much
- 6 the choice when we go in there. They don't really
- 7 fill up all those booths, ironically.
- 8 DR. MARSHALL: I just thought last year you
- 9 said something about --
- 10 MR. GEILENFELDT: Well, I, of course, wanted
- 11 the one up in front. We actually had a choice,
- 12 Foster, and she offered this one. What I will do,
- 13 though, is negotiate that with her and make sure we
- 14 have our choice, whichever one we want.
- But that's where most people exit is
- 16 where I suggested that one spot. We had the Red
- 17 Cross next to us, but that was the only other booth
- 18 that was there, as I recall. But I'll look into
- 19 that and let you know in February.
- 20 MR. LOCKE: Should we use the same sheets
- 21 that we used last year?
- MR. COLLINS: We'll do new fact sheets.
- 23 MR. GEILENFELDT: The main thing is I would
- 24 like to have literature such as we did, and have
- 25 some kind of a mailing list or a call list that I

- 1 can use.
- 2 MR. VAN ROOY: And a sign.
- 3 MR. GEILENFELDT: Great idea.
- 4 MR. COLLINS: That's probably it. That's
- 5 enough for tonight. We'll fill that out as it gets
- 6 closer.
- 7 MR. LOCKE: Another agenda item we have is
- 8 we have an old RAB member, Dorothy Marron, and she
- 9 put in an application for the RAB.
- 10 Does anybody have a motion to make her
- 11 a RAB member?
- MR. GEILENFELDT: I make the motion.
- MR. COLLINS: I just have a question.
- 14 Did you officially resign last time or
- 15 did you --
- MS. MARRON: I officially resigned as the
- 17 Co-Chair. I don't know if I officially resigned as
- 18 a RAB member.
- MR. COLLINS: I would say she's still a
- 20 member. She didn't resign.
- MR. GEILENFELDT: You're in, Dottie.
- MR. COLLINS: But in either case, we're not
- 23 going to let you go.
- MS. MARRON: Thanks. It's good to be back.
- MR. GEILENFELDT: I want to thank everybody

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2 have Leticia and Dan here. They drive a long way
 3 to come here.
 4
                I particularly appreciate all you
 5
   Coronado residents attending this evening. We had
    a different conflict tonight with all this ongoing
   activity -- bands and dances and shopping and et
   cetera.
 9
          MR. COLLINS: I think this is the biggest
    number of RAB members we've had in a long time.
    There's five from the community, which is great.
          MR. LOCKE: Any other items? All right.
12
13
               The meeting is adjourned.
14
           (Whereupon, at 8:10 p.m. the RAB meeting
15
          was adjourned.)
16
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25 STATE OF CALIFORNIA )
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1 for attending this evening. It's always nice to

1	: SS
2	COUNTY OF SAN DIEGO)
3	
4	I, Nancy A. Lee, CSR No. 3870, do hereby
5	certify that I reported in shorthand the above
6	proceedings on Thursday, November 15, 2001, at 640
7	Orange Avenue, Winn Room, in the City of Coronado,
8	County of San Diego, State of California; and I do
9	further certify that the above and foregoing pages
10	numbered 1 to 71, inclusive, contain a true and
11	correct transcript of all of said proceedings?
12	Dated:, 2001.
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18	NANCY A. LEE
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